



NWOET SCANNER

Northwest Ohio Educational Technology

March/April 2005

Attention High School Science Teachers...

**Attend a Live Interactive Marine Biology Laboratory Tour Without Leaving Your Classroom!
Date: April 28, 2005 from 11-11:30 a.m.**

Marine Biology Instructor Matthew Partin and students from Bowling Green State University will lead you and your class on a live and interactive tour of Bowling Green State University's Marine Biology Laboratory. Students will be able to experience a front-row view of sharks, sea anemones, corals, starfish and many other marine creatures and fish from the comforts of their own classrooms through the power of live television. Your students will learn not only about marine species' backgrounds, but also about the animals' care and their roles in natural habitats.

WBGU-PBS will broadcast the live tour to any class wishing to tune in on April 28 from 11-11:30 a.m. While anyone with a television can view this tour, only registered classes will be able to interact with and ask questions of the BGSU's Marine Biology Lab staff via Internet chat. In addition, teachers who register their classes to attend will have online access to pre- and post-tour marine biology lessons related to state standards.

To sign your class up to attend this live, free, interactive field trip, please contact Tony Short at short@wbgu.bgsu.edu or 419-372-7019. Please register early because space is limited.



This Venomous Lionfish is just one of the many residents of BGSU's Marine Biology Laboratory.

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**Advisory Meeting
March 1, 2005
Details on page 8.**

Increase Student Learning with Video Streaming!



Unitedstreaming available for

\$500 Per Building for 2005-06

(Down from \$600)



Subscribe for 2 years and lock-in at this special reduced rate!

Must be comprehensive or media center members of NWOET at the time of service to take advantage of this pricing.

Free trial available until June 30, 2005.

Call 800-966-9638 for more information.

Perrysburg Exempted Village Schools use video streaming to enhance their standards based instruction. Pictured at left are Perrysburg Junior High students.

Video streaming without using the Internet? Call for a demonstration of Chalkwaves, another video streaming option.



Media Center

By Phyllis Hartwell

With the weather wreaking havoc on our schedules, it is very important to call to see if an item can be extended. If you would like to change the date something is to be sent, let us know that, also.

There are several school districts that have changed e-mail addresses. Please let us know when this happens or if you want to change your own e-mail address. Confirmations as well as other information are sent through these electronic resources.

In addition to the twenty-three titles in the math series entitled "Math Vantage," (see pg. 3), below is a list of new items in the media center:

About Time (J,S) (VHS)	25654
Charlotte's Web (P) (DVD)	81013
Learn Public Speaking (J,S) (VHS)	25750
Learn Public Speaking (J,S) (DVD)	81014
Super Size Me (J,S,A) (DVD)	81038

NEW 100% Online Master Degree Program

Master of Education with a Specialization in Assistive Technology

- ✓ Complete a Master of Education via Internet
- ✓ Discover technologies and methods helpful for K-12 special learning needs
- ✓ Finish in as little as 2 1/2 years or take up to 60 months - the choice is yours



Classes are delivered to educators through interactive, instructor-mediated Web-based course offerings through Bowling Green State University in partnership with NWOET, Ohio SchoolNet, Ohio Center for Autism and Low Incidence (OCALI) and Ohio Department of Education.

These classes are perfect for students seeking skills to help deal with their K-12 students more effectively, while earning graduate credit necessary for re-licensure and re-certification.

Register Now - Or Later

Introductory 1 credit course begins March 7.

Registration deadline is April 11 for May courses.

For more information, call (800) 966-9638 or visit www.oatdlp.org.



Will Your Students Have The Technology Skills Needed For Their Future?

By Donna Dick

Most of us will agree that today's students are going to need to know how to use and work with technology. Whether it is in their college years or in their future working careers, technology is a part of almost every facet of society. **The No Child Left Behind (NCLB) legislation mandates that by 2006 every eighth-grade student in the United States must be proficient in technology literacy skills.** Technology is not going away, but will only increase with time. What are these technology skills that students need to know?

One way to determine the skills your students need to know is to look at the national or state technology standards. ISTE (International Society for Technology in Education) along with 2,000 educators developed the first National Educational Technology Standards for Students in 1998, known as the NETS. (Available online at http://cnets.iste.org/students/s_stands.html) These national standards have had a major impact in education, because they are

usable and they support states' content standards. In fact, more than 90 percent of U.S. states adopted, adapted or referenced ISTE's NETS in State Department of Education documents. Technology should be integrated into the basic curriculum to support what is already being taught, and not taught as a separate curriculum. Not only has Ohio embraced the National Technology Standards, but it has added additional ones. Some school districts have taken it a step farther and created their own matrix of technology skills which generally shows at which grade level a skill is introduced, reinforced and mastered. Ohio's state technology standards are available online at www.ode.state.oh.us/academic_content_standards/acstechnology.asp.

The next question you might be asking yourself is, **"Are student's going to be tested on these technology standards?"** Currently, there is not a plan in Ohio to test students on their technology proficiency. But through the efforts of Microsoft Corp. and ISTE there is an online tool to assess

the technology literacy of middle school students. (Available online at www.iste.org/resources/asmt/msiste/) These twelve online assessments are aligned with the National Educational Technology Standards for Students (NETS). This tool is free, but many users have experienced technical difficulties with these tests. Not only have these standards found themselves in the K-12 environment, but they are also being applied at the university level, as well. For example, all education students at Bowling Green State University must pass a technology assessment test in order to graduate.

Do you need to improve upon your technology skills so that you can help your students? You might consider Tech Survival Skills, which is being offered at NWOET June 20-24 from 9 a.m. - 12 p.m. This class focuses on word processing (Microsoft Word), spreadsheets (Excel) and presentation software (PowerPoint). It is based on many of the National and State Technology Standards and the BGSU technology assessment test. Don't delay; get on board today!

SPRING-SUMMER 2005 NWOET Professional Development



In cooperation with Bowling Green State University

Spring 2005

For more information call 800-966-9638 or visit www.nwoet.org/workshops

Course (See page 4-5 for descriptions)	Date/Time/Location	BGSU Sem. Hr(s). Credit(s)	BGSU Credit Fees*	Professional Development Fees**	Total Cost BGSU Credit + PD Fee
EDTL 682. Classroom Curriculum Technology Framework - Werner, Davis & Tucker, Instructors Register for individual, 5, 10, or 15 sessions.	Mondays, Mar. 7 - Apr. 25 4:00 - 7:00 p.m., NWOET	1 (5 classes) Register for your choice of 5 sessions - see next page	\$282 + \$ 8 (registration fee)	Choice of 2-8 sessions: \$59 total 1session: \$39	\$349
Distance Learning to Support Instruction - Koenig, Tucker, & Reddick, Instructors	Thursday & Friday, Mar. 10 & 11 8:30 - 4:00 p.m., NWOET	1	\$ 282 + \$ 8 (registration fee)	\$175	\$465
Digital Photography in the K-12 Classroom - Dick, Instructor INCLUDES 3 megapixel CAMERA	Thursdays, Mar. 24 - Apr. 21 4:30 - 7:30 p.m., NWOET	1	\$ 282 + \$ 8 (registration fee)	\$199 <i>Includes camera</i>	\$399
Learn It, Love It, Leave with It - Windows Koenig, Tucker, & Reddick, Instructors INCLUDES CHOICE OF EQUIPMENT	Friday & Saturday, May 5 & 6 8:30 - 4:00 p.m. NWOET	1	\$ 282 + \$ 8 (registration fee)	\$1399	\$1689
EDTL 612. Classroom Technology for Teachers - Bell, Instructor	Mondays (5/16, 5/23, 5/30, 6/6) 4 - 8 p.m., AND Mon.-Fri. (June 13-17) 8:30 a.m. - 2:30 p.m., NWOET	3	\$ 846 + \$ 8 (registration fee)	\$145	\$999
Tech. Survival Skills for Educators - Dick, Instructor	Mon.-Fri., June 20-24 9:00 a.m. - 12:00 p.m. NWOET	1	\$ 282 + \$ 8 (registration fee)	\$15 (refunded upon course completion)	\$305
EDTL 613. Classroom Multimedia Production - Davis, Instructor	Mon.-Thurs., July 18-21 & July 25-28 8:00 a.m. - 1:00 p.m. NWOET	3	\$ 846 + \$ 8 (registration fee)	\$145	\$999
Improving Literacy with Language Arts Tools - Dick, Instructor	Thursdays, April 28 - May 19 4:00 - 8:00 p.m. NOECA, Sandusky	1	\$ 282 + \$ 8 (registration fee)	\$59	\$349
Using Technology to Enhance the Writing Process - Davis, Instructor	Wednesdays, April 13 - May 4 4:00 - 8:00 p.m. NOECA, Sandusky	1	\$ 282 + \$ 8 (registration fee)	\$59	\$349
Multimedia for the Elementary Curriculum - Online course - Dick, Instructor	Orientation: Thursday, May 9 4:30 - 6:30 p.m. NWOET	3	\$ 846 + \$ 8 (registration fee)	\$145	\$999
Classroom Technology Resources to Support Ohio Academic Content Standards -	Take any combination of five of the sessions to earn one graduate credit. NWOET Tech Lab	1	\$ 282 + \$ 8 (registration fee)	3 or 6 sessions: \$99 total \$149 (no credit) 1-2 sessions: \$39 each <i>Includes materials: CDs, DVDs, videos, etc.</i>	\$349
1. One State – Many Nations: Native Americans of Ohio	Tuesday, April 19, 4:30 - 7:30 p.m.				
2. 108 Stitches: The Physics of Baseball	Tuesday, April 26, 4:30 - 7:30 p.m.				
3. Producing Ohio	Tuesday, May 3, 4:30 - 7:30 p.m.				
4. It's A Gas! Math and Science of the Blimp	Tuesday, May 10, 4:30 - 7:30 p.m.				
5. Safe Passage Ohio	Tuesday, May 17, 4:30 - 7:30 p.m.				
6. Ohio Reading Road Trip	Tuesday, May 24, 4:30 - 7:30 p.m.				

Trainings listed above will be held at NWOET, 245 Troup Ave., Bowling Green or NOECA, 219 Howard Drive, Sandusky as indicated. See <http://www.nwoet.org/about/map.htm> and <http://www.noeca.org/map.htm> for driving directions. Certificate of attendance available on request at completion of course if not taking for grad credit.

* Grant funding provided through NWOET and partner organizations allow these courses to be offered for graduate credit through Bowling Green State University at a reduced cost. Courses may or may not apply for degree completion. Contact NWOET or your graduate advisor for more information.

** Fee for NWOET members; non-members please call for pricing. Payable to NWOET by check, cash, or district purchase order. This fee covers all materials, required textbooks and resources needed for this course.

Learn It, Love It, Leave With It

Classroom Technology: Using the Smart Board, document camera and Projectors to create lessons that reach all types of learners
Thursday, May 5 & Friday, May 6, 2005 - 8:30 a.m. - 4:00 p.m.
Held at NWOET, 245 Troup Ave., Bowling Green

Target audience: All teachers, technology coordinators, media specialists
Format: Windows (If interested in Mac, please call and let us know of your interest)

COST: \$1399

This fee includes choice of one equipment option – see below. Additional teachers from the same school receive a \$100 discount. Additional equipment selections are available. Contact Joanne Riddles at 440-893-9330 to discuss other options. (1 semester hour BGSU graduate credit available for an additional \$290 (\$282 + \$8 registration fee).

Select one of the equipment options below. When the Learn It, Love It, Leave with It training is over, you will be knowledgeable on the software, set-up, and operation of the three most popular and useful pieces of classroom technology and you will keep the equipment. This training is based on the concepts of multiple intelligences and using technology to reach the maximum amount of students.

The purpose of this course is to provide educators with the tools to effectively integrate various technologies into daily teaching. All class materials will be provided by the instructor and are included in the fee. Classes are for PC platforms unless otherwise noted. Students are encouraged, but not required, to bring their own laptops to the class.

Your equipment choices are:

- 60" SMART Interactive **whiteboard** (wheeled stand NOT included) [will be drop shipped to your school]
- Toshiba S20-U, 1400 lumen, DLP **projector** with Gyration Wireless "air" mouse
- AverMedia Model 300 **document camera** with light box



NWOET instructor using SMART Interactive whiteboard.



Toshiba S20-U



AverMedia Model 300

Distance Learning to Support Instruction

Video Conferencing and Distance Learning Using Interactive Whiteboards and Other Peripherals

Thursday, March 10, and Friday, March 11, 2005, 8:30 a.m. - 4:00 p.m.
Held at NWOET, 245 Troup Ave., Bowling Green

Target audience: All teachers, technology coordinators, media specialists

Is your video conferencing lab underutilized? Are you afraid to even try to do a distance learning lesson? If so, join engineers from Polycom and try out the new, easy to use distance learning products. Besides having hands-on practice with the Polycom equipment, the course will focus on:

- Where to find quality distance learning programming
- How to set up virtual field trips or programs
- What to pay for and what not to pay for
- How to integrate the SMART interactive whiteboard and other peripherals into a lesson that uses distance learning
 - Video conferencing etiquette
 - How distance learning programming content can support the Ohio academic content standards
 - How to trouble shoot quickly when things get off track

COST: \$175 with 1 semester hour BGSU graduate credit available for an additional \$290 (\$282 + \$8 registration fee)



NWOET Professional Development Descriptions

EDTL 682. Classroom Curriculum Technology Framework: Technology Skill Modules

Dates listed below at NWOET

Enroll in one or all of this series of trainings each of which consists of hands-on activities for the purpose of developing a variety of technology skills to support classroom curriculum and technology integration. Participants will learn how additional modes of technology can be utilized to enhance the way classroom instruction is delivered.

Prerequisite: None

Mon. Mar. 7	Web Design with Word
Mon. Mar. 14	Using an Interactive Whiteboard
Mon. Mar. 21	Classrooms Internet Resources
Mon. Mar. 28	Using INFOhio Resources
Mon. Apr. 4	Creating Content-based WebQuests
Mon. Apr. 11	Introduction to Power Point I
Mon. Apr. 18	Introduction to Power Point II
Mon. Apr. 25	Concept Mapping

EDTL 613 Classroom Multimedia Production

Begins July 18 at NWOET

In this 45-hour hands-on course, participants will be given an introduction to digital video editing, digital photo editing and web editing software as it can be used in the classroom to support the Ohio academic content standards to increase learning.

Prerequisite: Basic technology skills

EDTL 612 Classroom Technology for Teachers

Begins May 16 at NWOET

The focus of this course is to provide practical experiences with the implementation of a variety of technology skills for the educator at the beginning level of technical ability. Throughout the course, participants will develop skills in the use and implementation of technology tools that will permit them to provide similar opportunities for their students. Prerequisite: None

EDTL 682. Classroom Technology Resources to Support Ohio Academic Content Standards

Begins April 19 at NWOET

Participants will be introduced to a wealth of cross-curricular teaching materials created by Ohio educators to specifically address the instructional needs of Ohio students. Even though target grade levels and subject areas are indicated, these units can be useful in a variety of classroom applications for other grade levels. Prerequisite: None

1. *One State - Many Nations: Native Americans of Ohio* – These teaching materials, directed at the intermediate level students, offers a rich cultural and historical heritage. Unit materials and lesson plans will be demonstrated and participants will receive a copy of the five videos that accompany this program.

2. *108 Stitches: The Physics of Baseball* – This science-based project focusing on students in grades 6-10, uses baseball to demonstrate some of the basic principles of physics. Participants will receive a copy of the four videos that accompany this program.

3. *Producing Ohio* – An interactive multimedia economics curriculum for fifth and sixth grade students. These dynamic and entertaining cross-curricular lessons give students the knowledge and tools necessary to succeed on the Ohio Proficiency Tests. Participants will receive a copy of the five video segments about Ohio businesses.

4. *It's a Gas! Math and Science of the Blimp!* – Directed at grades 7-10, these materials are supported by a series of eleven short video segments with accompanying lesson plans. Participants will receive a CD with the activities and a DVD that contains all the videos.

5. *Safe Passage Ohio* – This multimedia curriculum based on Ohio's academic standards in language arts and social studies for sixth- through ninth-graders engages students in a hands-on experience featuring the Underground Railroad. Participants take away a copy of the video – a HD 30-minute program.

6. *Ohio Reading Road Trip* – This interactive curriculum package for students in

grades 6-8 contains fun reading and writing. Together, students and teachers will explore the lives and works of historically significant figures such as Sherwood Anderson, James Thurber, and Paul Laurence Dunbar. Participants will receive a DVD or VHS video that supports the lessons.

EDTL 682. Digital Photography in the K-12 Classroom

Begins March 24 at NWOET

Digital cameras have extensive uses and often motivate educators to integrate technology effectively in their curriculum. This course is intended to provide participants with a secure knowledge of basic digital camera operation, as well as introduce them to effective methods for curriculum integration. The use of Adobe Photoshop Elements 2.0 in this training will provide an avenue for the manipulation of digital images. Workshop fees include a digital camera. Prerequisite: None

Distance Learning to Support Instruction

Begins March 10 at NWOET

Video conferencing and distance learning using interactive whiteboards and other peripherals. The target audience is all teachers, technology coordinators, media specialists. This course is taught in conjunction with Fran Reddick of Really SMART Services. See page 6 for more information. Prerequisite: None

Improving Literacy with Language Arts Tools

Begins April 28 at NOECA

Learn how visual organizing software can help students who struggle with reading and writing. Backed by scientifically based research, participants will learn how graphic organizers can improve student performance. Participants will learn the basics of the software Inspiration/Kidspiration and TimeLiner and how to incorporate their use into the curriculum. Prerequisite: None

Learn It, Love It, Leave with It

Begins May 5 at NWOET

Classroom technology using the Smart Board, document camera and projectors to create lessons that reach all types of

learners. The target audience is all teachers, technology coordinators, media specialists. This course is taught in conjunction with Fran Reddick of Really SMART Services. See page 6 for more information. Prerequisite: None

EDTL 609. Multimedia for the Elementary Curriculum

Begins May 9 at NWOET

This graduate online course focuses on the integration of multimedia in the elementary classroom. The course participants will design multimedia project-based classroom activities that align with state academic content standards. Concept-mapping software, as it relates to the curriculum and as a pre-planning tool, will be used. An introduction to issues of copyright and fair use will also be explored through this web-based course. Prerequisite: None

EDTL 682. Tech Survival Skills for Educators

Begins June 20 at NWOET

Rookie and veteran educators can benefit from learning new basic skills in technology. This course focuses on just the skills as outlined for teachers in ISTE's NETS for Teachers. Begin the course with an overview of basic technology skills. Each following day of instruction will cover specific skills in the areas of word processing, spreadsheet and PowerPoint with an opportunity to "test-out" at the end of the course. For incoming BGSU or current BGSU students who strive for a career in education, this is a great opportunity to get the advantage of using technology throughout your education! Prerequisite: None \$ 15 NWOET fee refunded upon completion.

Using Technology to Enhance the Writing Process

Begins April 13 at NOECA

Modern word processors have all of the tools needed to enhance the writing process. Within most word processors the tools exist to improve writing. In this course, teachers will learn to create storyboards, add voice notes, perform word counts, determine a reading level, collaboratively write and track changes. This one-semester hour course will instruct teachers in the use of this valuable tool to improve student writing. Prerequisite: None

Call 800-966-9638 for more information or to register.

Online Graduate Courses*

Credit and Non-Credit Courses.
For more information call
800-966-9638.

Fees: (prices are subject to change)

- Non-Credit - \$91
- One Credit - \$282 plus \$8 for registration
- 3 Credit - \$846 plus \$8 for registration

* Grant funding provided through NWOET and partner organizations allows these courses to be offered for graduate credit through Bowling Green State University at a reduced cost.

Fourth Session

EDIS 642. Implementation Strategies for Assistive Technologies (3) - Margaret Bouwkamp

3/7/05 - 5/27/05

3 semester hours BGSU graduate credit

Team decision-making process, assistive technology solutions, essential components of the assessment process, tools and strategies in making data-driven decisions. Prerequisite: EDIS 640, Introduction to Assistive Technology.

EDIS 646. Communication Strategies, Curricular Adaptations and Assistive Technology for Students with Autism Spectrum Disorders (3) - Lynann Phoenix

3/7/05 - 5/27/05

3 semester hours graduate credit

Participants in this course will explore the characteristics of autism spectrum disorders (ASD) and their effect on language development, learning and social interaction skills.

PENDING APPROVAL

EDIS 650. Assistive Technology for the Blind and Visually Impaired (3) - Madeline Rosenshein

3/7/05 - 5/27/05

3 semester hours BGSU graduate credit

This course will focus on assistive technologies available for persons with visual impairments and the implications of low vision and blindness.

PENDING APPROVAL

EDIS 684. Assistive Technology for Deaf and Hard of Hearing (1) - Christine Loddio Bricker

March 7 - April 13, 2005

1 semester hour BGSU graduate credit

This course focuses on the function of hearing, hearing loss and assistive technology options. Participants will learn the

essential components of the auditory system and explore a variety of tools and strategies to support individuals with hearing loss. Prerequisites: Assistive Technology Fundamentals and Team Problem Solving and Decision Making.

EDIS 684. Assistive Technology Fundamentals (1) - Greg Wilson

3/7/05 - 4/13/05

1 semester hour BGSU graduate credit

This course provides educators with an overview of assistive technology in the areas of communication, mobility, education, recreation, vocation, independence and therapy/rehabilitation.

EDIS 684. Assistive Technology for Learning to Read and Write (1) - Madeline Rosenshein

3/7/05 - 4/13/05

1 semester hour BGSU graduate credit

This course will focus on the role of assistive technology in learning to read and write for students in grades K-3. Participants will learn about formal, informal and computer based literacy assessments and how assessment informs instruction and intervention.

EDIS 684. Organizing Assistive Technology in the Classroom (1) - Jill Jump

3/7/05 - 4/13/05

1 semester hour BGSU graduate credit

This course will identify classroom technologies and the specific applications for inclusion of students with disabilities. Low tech solutions and modifications, customization of classroom computers and software programs, and specific assistive technology options will be explored.

EDIS 684. Team Problem Solving and Decision Making (1) - Carol Sargent

3/7/05 - 4/13/05

1 semester hour BGSU graduate credit

This course will focus on the importance of a team decision-making process when determining appropriate assistive technology solutions.

Fifth Session

EDIS 684. Assistive Technology for Accessing the General Curriculum (1) - Margaret Bouwkamp

5/2/05 - 6/1/05

1 semester hour BGSU graduate credit

This course focuses on the role of assistive technology in accessing the general education curriculum for students in grades 4 thru 12. Participants will learn a basic understanding of reading and writing disabilities

and principals of universal design.

EDIS 684. Augmentative Communication Assessment (1) - Jill Jump

5/2/05 - 6/1/05

1 semester hour BGSU graduate credit

This is an advanced level assessment course which focuses on the processes for determination of an Augmentative/Alternative Communication (AAC) system/device that meets a student's specific communication need and matches his/her level of ability. Each participant will conduct an AAC assessment.

EDIS 684, Fundamentals of Communication for Autism Spectrum Disorders (ASD) (1) - Patti Porto

5/2/05 - 6/1/05

1 semester hour BGSU graduate credit

This course is designed to explore the characteristics of Autism Spectrum Disorders (ASD) and their effect on language development, learning and social interaction skills.

EDIS 684. General Overview of Assistive Technology for the Blind and Visually Impaired (1) - Madeline Rosenshein

5/2/05 - 6/1/05

1 semester hour graduate credit

This course will be to provide educators with a general introduction to the main areas of assistive technology available for persons with a visual impairment.

EDIS 684. Instruments and Strategies for Data Gathering (1) - Greg Wilson

5/2/05 - 6/1/05

1 semester hour BGSU graduate credit

This course focuses on the data gathering process necessary for conducting assessments in assistive technology. Participants review different instruments designed and adapted for data collections.

EDIS 684. Providing Speech Output for Autism Spectrum Disorders (1) - Lyn Phoenix

5/2/05 - 6/1/05

1 semester hour BGSU graduate credit

This course explores how speech output devices are used to enhance and increase the independent communication of students with ASD, how these devices help improve their social interaction, and strategies for choosing components of alternate communication systems. Prerequisite: Fundamentals of Communication in Autism Spectrum Disorders.

EDIS 684. Seating and Mobility for Function (1) - Carol Sargent

5/2/05 - 6/1/05

1 semester hour BGSU graduate credit

PENDING APPROVAL

The BGSU's Classroom Technology Cohort Program Offers A M.Ed.

By Nancy Brownell

The M.Ed. in Classroom Technology program at Bowling Green State University is a great opportunity for all teachers who want to learn to use technology to enhance their students' learning. Offered as a part-time program in a cohort structure, it's a chance to earn your BGSU degree close to home, to qualify for the Ohio Computer/Technology Endorsement, and to save money.

The Classroom Technology program is a part-time master's program designed for any teacher who wants to integrate technology into the school setting from a curriculum and instruction perspective. Upon completing the master's degree program, participants also earn the state of Ohio's Computer/Technology Endorsement, which is applied to the educator's existing, valid state of Ohio certificate or license.

The School of Teaching and Learning at BGSU is forming four to five new M.Ed. in Classroom Technology cohorts this year. You can join the on-campus cohort that starts June 27, or join an off-campus cohort if you live farther away. Off campus classes are held entirely in a local district and do not require attendance at BGSU. A cohort is starting soon in Upper Sandusky (April 6 start date, March 1 application deadline). A cohort is expected to start in Bryan in Fall 2005, and possibly also in an additional district. We will teach where we get the most interest!

Financial incentives are being offered. All participants in the off-campus cohort pay for 2 credit hours and receive the 3rd hour free.

Visit <www.bgsu.edu/colleges/edhd/mct> or contact, Nancy Brownell, program coordinator, at nbrowne@bgnnet.bgsu.edu or 419-372-7359, or toll-free during business hours at 877-650-8165.



Tech Troubles

By Gerry Davis

As an educational technologist, in addition to the season, I look forward to Christmas for all of the new technology it brings. **This past season some of it was absolutely astounding.** For many, Santa brought iPods, weather stations, clever new phones, digital still cameras, digital video cameras and photo printers just to name a few. My friends and family couldn't wait to download music, print photos, edit videos and burn CDs. Unfortunately they had to.

If things only worked as easily as advertised. In a perfect world the aggregate blood pressure of the nation might be several points lower following this season of joy. There will always be problems; the key is to keep them in perspective. I know it is easy to say, but it is also true. So, in the spirit of sharing, here are some of the things I do to cope with problems.

- Read the manual. If not cover to cover at least give it a light read before you start. It might make a big difference.
- Step back from the situation before the frustration gets out of hand. Now would be a good time to have that piece of cake you have been wanting.
- If you are going to make any changes to your system, write them down before you make them. This will help tech support if you need them.
- Be deliberate in your actions; write down your steps as you take them. If what you are trying works, you will be able to repeat the process.
- If you call tech support, have something to do. It might be time for another piece of cake. This way you will be happy and occupied during the wait and less likely to explode when they answer.

At NWOET we offer a full compliment of classes and courses that are designed to help you get through these trying times. If you don't see a class you'd like to take in the Scanner, give us a call; it might be in the works. In any case we are always open to suggestions. **So remember have fun, take time to learn,** and in the end, the effort will be worth the time spent.

New Series Added To NWOET Media Center

Imagine a middle level mathematics class with students excited about the study of patterns, data analysis, and proportions. It happens in classrooms using Math Vantage! A teacher in Fremont Middle School had used one of these Math Vantage units and his school did not have the funds to purchase the entire series at this time. He called our Media Center at NWOET and requested we purchase the ones he didn't have, but after evaluation, the decision was made to purchase the *entire* series on DVD for our Media Center's loan library.

Math Vantage is a series of videos that brings middle level mathematics to life. The target audience is grades 6-9, but much of the material is applicable for other grades as well, and it supports many of the Ohio academic content standards grade level indicators. The unit titles follow, and a full description can be found at <www.nde.state.ne.us/NMSI/mathvantage/>. Educators can call the NWOET Media Center at 800-966-9638 to reserve the individual titles.

Math Vantage consists of 5 units:

- Patterns Unit
- Spatial Sense Unit
- Data Analysis Unit
- Proportional Reasoning Unit
- Language of Mathematics Unit



Remember, one can make requests for future purchases by calling the Media Center at 800-966-9638 or going online to <www.nwoet.org> and choosing Media Resources from the left-hand menu. Under Search Catalog, there is a link to the Options Menu where one can enter recommendations for purchases. A client # and password is required to do this. Client numbers can be obtained by requesting one online or calling the Media Center.

Technology Tips And Tricks

Beware Of Spyware

By Justin Schiavoni, Student Tech Support

Beware of spyware. If you can, use the Mozilla Firefox browser <www.mozilla.org/products/firefox/>. Firefox is a great alternative to Internet Explorer (IE) that features built in pop-up blocking, tabbed browsing, security features (such as preventing harmful Active X controls from loading which are a source of spyware), as well as a host of many other features. However, if you must use IE, set the security settings to high; this will disable multimedia features of many Web sites, but also will block a main path intruders use to plant Web contagions. Tip: To set IE security to high, navigate to Tools, Internet options, Security settings in your browser window.

Tiger introduced At MacWorld Expo

By Tonya Koenig, Technical Support Mgr.

Recently at the MacWorld Expo in San Francisco, California, Tiger, the new upgrade to the Macintosh operating system was introduced. This innovative new operating system promises more than 200 new features. Some of the new features include Spotlight, which allows the user to find anything on his/her computer. It can search as quickly as you can type over your entire system. One of the other features worth mentioning would be the dashboard. Basically the dashboard places common everyday gadgets at the click of a mouse. Certain things that this includes would be a dictionary and thesaurus, calculator, iTunes, weather, yellow pages, language translator, address book, flight information and a unit converter. Spotlight and Dashboard are just two of the amazing features being introduced in the new upgrade for OS X. Tiger has already caused a wave of excitement as anxious Mac users anticipate its release. For more information in regards to Macintosh OS X Tiger, please refer to this Web site <www.apple.com/macosx/>.

Third Annual Symposium On Media Literacy In Education

Friday, June 17, 2005

Mark the date on your calendar for an interesting, exciting, challenging experience! On June 17, 2005, the Third Annual Symposium on Media Literacy in Education will be offered at Bowling Green State University, in conjunction with the Allied Media Conference which will take place the following two days. Watch for more details in future Scanners, or contact Nancy Brownell at nbrowne@bgnet.bgsu.edu or (419) 372-7359. For more information on the topic of media literacy, a good starting place is the Center for Media Literacy at <www.medialit.org/>.

We Have A Winner!!

Jolene Kopena from Genoa High School has won a digital camera from the Northwest Ohio Media Center. Keep filling out the colored slips that come with your media items for another drawing in the spring. You could be a winner!

NWOET Advisory Meeting March 1, 2005

Keynote Speaker: Dr. Gregg Brownell
**Media Literacy in K-12 Schools - What,
Why and Where**
March 1, 9 a.m.-2 p.m.

The NWOET Advisory Meeting will be held March 1, 2005, from 9 a.m.- 2 p.m. at Olscamp Hall on the Bowling Green State University campus. Registration, which includes luncheon, is only \$10. It's FREE for NWOET building advisory members.

Dr. Greg Brownell, the keynote speaker, will present "Media Literacy in K-12 Schools - What, Why and Where." Dr. Brownell will present an introduction to a current definition of media literacy, reasons for media literacy's importance in the schools and society, and examples of where it may be located in the existing curriculum.

Additional breakout sessions will include Copyright in the Classroom, Videostreaming for K-12, INFOhio Update, and more.

Graduate credit available. Full details online at <www.nwoet.org/advisory>.

World's Largest Concert

On Thursday, March 10, 2005, at 1:00 p.m., the World's Largest Concert will be aired on WBGU-TV. The concert serves as a centerpiece for "Music In Our Schools Month" and offers music educators and community members the opportunity to enjoy and support school music programs. Participants will tune in at the same time around the nation to sing together in a celebration of music. See <www.menc.org/guides/wlc/WLCFront.html> for support materials.



Check This Out

The State Library of Ohio has a Virtual Reference Service that answers questions 24/7. This is available to all residents of Ohio whether they possess a library card or not. Go to <www.knowitnow.org> and check out this FREE service. There's even a place where students and parents can receive homework help and live chat rooms with librarians.



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Phyllis Hartwell, Editor
Debby Bewley, Designer
Roger Minier, Executive Director
Published by NWOET
Bowling Green State University
Bowling Green, OH 43403
1-800-96-NWOET
Phone: (419) 372-7033
Fax: (419) 372-0220